

Jonas Brunskog

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

779
citations

471509

17
h-index

552781

26
g-index

75
all docs

75
docs citations

75
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorption and scattering by perforated facings with periodic narrow slits. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1847-1859.	1.1	3
2	A controlled chamber study of effects of exposure to diesel exhaust particles and noise on heart rate variability and endothelial function. <i>Inhalation Toxicology</i> , 2022, 34, 159-170.	1.6	1
3	Gaussian processes for sound field reconstruction. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 1107-1119.	1.1	35
4	Wave transmission and vibration response in periodically stiffened plates using a free wave approach. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 3694-3702.	1.1	2
5	Hybrid analytical-numerical optimization design methodology of acoustic metamaterials for sound insulation. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 4398-4409.	1.1	8
6	Do Room Acoustics Affect the Amplitude of Sound-Field Auditory Steady-State Responses?. <i>Trends in Hearing</i> , 2021, 25, 233121652096502.	1.3	2
7	From absorption to impedance: Enhancing boundary conditions in room acoustic simulations. <i>Applied Acoustics</i> , 2020, 157, 106884.	3.3	9
8	Large-scale outdoor sound field control. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 2392-2402.	1.1	11
9	An analytical model for broadband sound transmission loss of a finite single leaf wall using a metamaterial. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1697-1708.	1.1	9
10	Characterization of sound scattering using near-field pressure and particle velocity measurements. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 2404-2414.	1.1	4
11	Application of vibro-acoustic operational transfer path analysis. <i>Applied Acoustics</i> , 2019, 154, 201-212.	3.3	25
12	Experimental characterization of the sound field in a reverberation room. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2237-2246.	1.1	33
13	A Bayesian spherical harmonics source radiation model for sound field control. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 3425-3435.	1.1	9
14	Adaptive parametric model order reduction technique for optimization of vibro-acoustic models: Application to hearing aid design. <i>Journal of Sound and Vibration</i> , 2018, 424, 208-223.	3.9	14
15	Contact parameter identification for vibrational response variability prediction. <i>Applied Acoustics</i> , 2018, 129, 291-305.	3.3	0
16	The Influence of Overlapping Band Filters on Octave Band Decay Curves. <i>Acta Acustica United With Acustica</i> , 2018, 104, 943-946.	0.8	1
17	The difficulties of simulating the acoustics of an empty rectangular room with an absorbing ceiling. <i>Applied Acoustics</i> , 2018, 141, 35-45.	3.3	6
18	A wavenumber approach to quantifying the isotropy of the sound field in reverberant spaces. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 2514-2526.	1.1	25

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19	A numerical strategy for finite element modeling of frictionless asymmetric vocal fold collision. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e02793.	2.1	5
20	Estimation of surface impedance at oblique incidence based on sparse array processing. Journal of the Acoustical Society of America, 2017, 141, 4115-4125.	1.1	32
21	An optical flow-based state-space model of the vocal folds. Journal of the Acoustical Society of America, 2017, 141, EL543-EL548.	1.1	1
22	<i>In situ</i> measurements of the oblique incidence sound absorption coefficient for finite sized absorbers. Journal of the Acoustical Society of America, 2016, 139, 41-52.	1.1	18
23	Application of a Bayesian algorithm for the Statistical Energy model updating of a railway coach. Applied Acoustics, 2016, 112, 84-107.	3.3	16
24	Teachers' Voice Use in Teaching Environment. Aspects on Speakers' Comfort. Energy Procedia, 2015, 78, 3090-3095.	1.8	2
25	Development and validation of a combined phased acoustical radiosity and image source model for predicting sound fields in rooms. Journal of the Acoustical Society of America, 2015, 138, 1457-1468.	1.1	13
26	Part Summary of the Project "Speakers' Comfort": Teachers' Voice Use in Teaching Environments. Building Acoustics, 2015, 22, 209-224.	1.9	2
27	Investigation of model based beamforming and Bayesian inversion signal processing methods for seismic localization of underground sources. Journal of the Acoustical Society of America, 2014, 136, 705-714.	1.1	4
28	An objective measure for the sensitivity of room impulse response and its link to a diffuse sound field. Journal of the Acoustical Society of America, 2014, 136, 1654-1665.	1.1	6
29	Speaker-Oriented Classroom Acoustics Design Guidelines in the Context of Current Regulations in European Countries. Acta Acustica United With Acustica, 2014, 100, 1073-1089.	0.8	24
30	An experimental and statistical study of the behavior of the vibration field in two coupled lightweight wooden joist floors. Applied Acoustics, 2013, 74, 517-520.	3.3	3
31	Combination of acoustical radiosity and the image source method. Journal of the Acoustical Society of America, 2013, 133, 3963-3974.	1.1	22
32	The equivalent incidence angle for porous absorbers backed by a hard surface. Journal of the Acoustical Society of America, 2013, 134, 4590-4598.	1.1	4
33	Modal density and modal distribution of bending wave vibration fields in ribbed plates. Journal of the Acoustical Society of America, 2013, 134, 2719-2729.	1.1	22
34	Sound radiation from finite surfaces. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
35	An objective measure for the sensitivity of the room impulse response. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
36	Room acoustic transition time based on reflection overlap. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1

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37	Biomechanical models of damage and healing processes for voice health. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
38	Speakersâ€™™ comfort and voice level variation in classrooms: Laboratory research. Journal of the Acoustical Society of America, 2012, 132, 249-260.	1.1	44
39	Measurement and prediction of voice support and room gain in school classrooms. Journal of the Acoustical Society of America, 2012, 131, 194-204.	1.1	26
40	Thresholds for the slope ratio in determining transition time and quantifying diffuser performance in situ. Journal of the Acoustical Society of America, 2012, 132, 1427-1435.	1.1	7
41	Audience noise in concert halls during musical performances. Journal of the Acoustical Society of America, 2012, 131, 2753-2761.	1.1	5
42	The forced sound transmission of finite single leaf walls using a variational technique. Journal of the Acoustical Society of America, 2012, 132, 1482-1493.	1.1	24
43	An Improved Prediction Model for the Impact Sound Level of Lightweight Floors: Introducing Decoupled Floor-Ceiling and Beam-Plate Moment. Acta Acustica United With Acustica, 2011, 97, 254-265.	0.8	4
44	Subjective Response to Foot-Fall Noise, Including Localization of the Source Position. Acta Acustica United With Acustica, 2011, 97, 904-908.	0.8	6
45	Room acoustic investigation of actorsâ€™™ positions and orientations for various theatre configurations in a moderate-sized drama theatre. Applied Acoustics, 2011, 72, 48-58.	3.3	4
46	Non-diffuseness of vibration fields in ribbed plates. Journal of the Acoustical Society of America, 2011, 129, 1336-1343.	1.1	11
47	Vocal effort with changing talker-to-listener distance in different acoustic environments. Journal of the Acoustical Society of America, 2011, 129, 1981-1990.	1.1	78
48	Equal autophonic level curves under different room acoustics conditions. Journal of the Acoustical Society of America, 2011, 130, 228-238.	1.1	17
49	Influence of Classroom Acoustics on the Voice Levels of Teachers With and Without Voice Problems: A Field Study. Proceedings of Meetings on Acoustics, 2010, , .	0.3	8
50	Room acoustic transition time based on reflection overlap. Journal of the Acoustical Society of America, 2010, 127, 2733-2736.	1.1	16
51	Increase in voice level and speaker comfort in lecture rooms. Journal of the Acoustical Society of America, 2009, 125, 2072-2082.	1.1	65
52	Experiences from FTF NanoScience Lab. at the University of Lund: use of a 2-stage isolation system with very low natural frequency. , 2005, , .		0
53	Image solution for clamped finite beams. Journal of Sound and Vibration, 2005, 287, 1057-1064.	3.9	2
54	The influence of finite cavities on the sound insulation of double-plate structures. Journal of the Acoustical Society of America, 2005, 117, 3727-3739.	1.1	33

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55	Analysis of Sound Transmission Loss of Double-Leaf Walls in the Low-Frequency Range Using the Finite Element Method. <i>Building Acoustics</i> , 2004, 11, 239-257.	1.9	15
56	Measurement of the Acoustic Properties of Resilient, Statically Tensile Loaded Devices in Lightweight Structures. <i>Building Acoustics</i> , 2002, 9, 99-137.	1.9	10
57	Vibration Isolation on Lightweight Floor Structures. <i>Building Acoustics</i> , 2002, 9, 257-269.	1.9	3
58	Prediction Models of Impact Sound Insulation on Timber Floor Structures; A Literature Survey. <i>Building Acoustics</i> , 2000, 7, 89-112.	1.9	18